

(i) APPLICANT: McBride, William
Dean, Richard T.

(ii) TITLE OF INVENTION: Monoamine, Diamide, Thiol-containing
Metal Chelating Agents

(iii) NUMBER OF SEQUENCES: 9

(iv) CORRESPONDENCE ADDRESS:

- (A) ADDRESSEE: Banner & Allegretti, Ltd.
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(v) COMPUTER READABLE FORM:

- (A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.25

(vi) CURRENT APPLICATION DATA:

- (A) APPLICATION NUMBER: US 08/253,973
(B) FILING DATE: 03-JUN-1995
(C) CLASSIFICATION:

(viii) ATTORNEY/AGENT INFORMATION:

- (A) NAME: Noonan, Kevin E
(B) REGISTRATION NUMBER: 35,303
(C) REFERENCE/DOCKET NUMBER: 91,875-J

(ix) TELECOMMUNICATION INFORMATION:

- (A) TELEPHONE: 312 715 1000
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(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 19 amino acids
(B) TYPE: amino acid
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) **FEATURE:**

- (A) NAME/KEY: Modified-site
(B) LOCATION: 19
(D) OTHER INFORMATION: /label= Amide
/note= "The carboxyl terminus is modified to an amide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

Gly Gly Cys Ser Ile Pro Pro Glu Val Lys Phe Asn Lys Pro Phe Val
1 5 10 15

Tyr Leu Ile

(2) INFORMATION FOR SEQ ID NO:2:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 19 amino acids
 - (B) TYPE: amino acid
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

Gly	Gly	Cys	Ser	Ile	Pro	Pro	Glu	Val	Lys	Phe	Asn	Lys	Pro	Phe	Val
1				5					10					15	

Tyr Leu Ile

(2) INFORMATION FOR SEQ ID NO:3:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 6 amino acids
 - (B) TYPE: amino acid
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

Gly	Gly	Cys	Gly	Leu	Phe
1				5	

(2) INFORMATION FOR SEQ ID NO:4:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 19 amino acids
 - (B) TYPE: amino acid
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: Modified-site
- (B) LOCATION: 19
- (D) OTHER INFORMATION: /label= Amide
/note= "The carboxyl terminus is modified to an amide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

Arg	Gly	Cys	Ser	Ile	Pro	Pro	Glu	Val	Lys	Phe	Asn	Lys	Pro	Phe	Val
1				5					10					15	

Tyr Leu Ile

(2) INFORMATION FOR SEQ ID NO:5:

- (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 18 amino acids
- (B) TYPE: amino acid
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

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Arg Gly Cys Gln Ala Pro Leu Tyr Lys Lys Ile Ile Lys Lys Leu
1           5           10           15
Leu Glu Ser

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(2) INFORMATION FOR SEQ ID NO:6:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 30 amino acids
- (B) TYPE: amino acid
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: Modified-site
- (B) LOCATION: 30
- (D) OTHER INFORMATION: /label= Amide
/note= "The carboxyl terminus is modified to an amide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

```

Arg Gly Cys Gly His Arg Pro Leu Asp Lys Lys Arg Glu Glu Ala Pro
1           5           10           15
Ser Leu Arg Pro Ala Pro Pro Pro Ile Ser Gly Gly Tyr Arg
          20           25           30

```

(2) INFORMATION FOR SEQ ID NO:7:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 14 amino acids
- (B) TYPE: amino acid
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: Modified-site
- (B) LOCATION: 14
- (D) OTHER INFORMATION: /label= Amide
/note= "The carboxyl terminus is modified to an amide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

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Gly Gly Cys Arg Pro Lys Pro Gln Gln Phe Phe Gly Leu Met
1           5           10

```

(2) INFORMATION FOR SEQ ID NO:8:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 13 amino acids
- (B) TYPE: amino acid
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: Modified-site
- (B) LOCATION: 7
- (D) OTHER INFORMATION: /label= D-Phe
/note= "The phenylalanine residue is in the D-
stereochemical configuration"

(ix) FEATURE:

- (A) NAME/KEY: Modified-site
- (B) LOCATION: 9
- (D) OTHER INFORMATION: /label= D-Trp
/note= "The tryptophan residue is in the D-
stereochemical configuration"

(ix) FEATURE:

- (A) NAME/KEY: Modified-site
- (B) LOCATION: 13
- (D) OTHER INFORMATION: /label= Amide
/note= "The carboxyl terminus is modified to an
amide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

Ala Lys Cys Gly Gly Gly Phe Tyr Trp Lys Thr Phe Thr
1 5 10

(2) INFORMATION FOR SEQ ID NO:9:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 8 amino acids
- (B) TYPE: amino acid
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(ix) FEATURE:

- (A) NAME/KEY: Modified-site
- (B) LOCATION: 8
- (D) OTHER INFORMATION: /label= Amide
/note= "The carboxyl terminus is modified to an
amide"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

Gly Gly Cys Phe Val Tyr Leu Ile
1 5